

ABSTRACT

A wireless communication system having a Node B and a plurality of wireless transmit/receive units (WTRUs), includes a contention-based uplink (UL) channel and at least one downlink (DL) physical channel. The UL channel supports UL transmissions from the WTRUs to the Node B. The UL channel is randomly accessed by a WTRU when the WTRU is ready to transmit data. The DL physical channel supports DL transmissions from the Node B to the WTRUs. The DL transmissions include an acquisition indicator and information regarding said acquisition indicator. The acquisition indicator confirms whether the data transmitted over said UL channel was successfully received by the Node B.